

ABSTRACT OF THE DISCLOSURE

An information processing system including at least one terminal apparatus and at least one program execution apparatus. Each of the at least one terminal apparatus transmits a message containing version information indicating a program version to one of the at least one program execution apparatus. Each of the at least one program execution apparatus stores one or more program components, and holds in a pre-transfer information management table information on the one or more program components stored in each program execution apparatus. Each of the at least one program execution apparatus includes a memory which is allocated to an activated process, and temporarily stores at least one program component for execution. Each of the at least one program execution apparatus also includes a post-transfer information management table which holds information on the at least one program component stored in the memory.

When each program execution apparatus receives from one of the at least one terminal apparatus a message containing version information indicating a program version, a program executing unit in the program execution apparatus dynamically links one of the program components being stored in the memory and corresponding to the version information contained in the received message, to the memory, so as to enable execution of the one of the

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program components in the process.